

What is claimed:

1. A system using sand for lifting and leveling slabs which may have settled said system comprising:

a sand storage tank having a sand outlet;

a compressed air source in fluid tight connection with said sand outlet;

a mixing chamber connected to said sand outlet and said compressed air source; and

an elongate air and sand delivery line connected to said mixing chamber.

2. A system using sand for lifting and leveling slabs as in claim 1 further comprising an injector gun having a gun bleed off valve for releasing excess pressure and a gun nozzle for the delivery of sand air mixture.

3. A system using sand for lifting and leveling slabs as in claim 2 wherein said mixing chamber is a smaller air source hose fitted inside of a larger diameter sand outlet so as to create a venturi effect.

4. A system using sand for lifting and leveling slabs as in claim 3 further comprising a compressed air bleed valve between said compressed air source and sand outlet.

5. A system using sand for lifting and leveling slabs as in claim 4 further comprising a sand shutoff valve between said sand storage tank and said mixing chamber.

6. A system using sand for lifting and leveling slabs as in claim 5 wherein said compressed air source is a high volume air compressor.

~~7. A system for lifting and leveling a slab defining at least one drilled hole said system comprising:~~

~~a sand storage tank having a sand outlet;~~

~~a supply of well dried mason's sand within said sand storage tank;~~

~~a compressed air source in fluid tight connection with said sand outlet;~~

~~a mixing chamber connected to said sand outlet and said compressed air source;~~

~~an elongate air and sand delivery line connected to said mixing chamber; and~~

~~an injector gun having a gun bleed off valve for releasing excess pressure and a gun nozzle for the delivery of sand air mixture in a substantially fluid tight connection with said drilled hole.~~

~~8. A system for lifting and leveling a slab as in claim 7~~

~~wherein said mixing chamber is a smaller air source hose fitted inside of a larger diameter sand outlet so as to create a venturi effect.~~

9. A system for lifting and leveling a slab as in claim 8 further comprising a compressed air bleed valve between said

10. A system for lifting and leveling a slab as in claim 9 further comprising a sand shutoff valve between said sand storage tank and said mixing chamber.

5 11. A system for lifting and leveling a slab as in claim 10  
wherein said compressed air source is a high volume air  
compressor.

29 212. A method of lifting and leveling a slab said method comprising the steps of:

10 supplying a sand storage tank filled with a well dried  
mason's sand said storage tank having a sand outlet;

supplying a compressed air source in fluid tight connection  
with said sand outlet;

15 mixing said sand and said compressed air in a mixing chamber;

delivering said sand and air mixture to an injector gun via  
an elongate fluid tight hose said gun further having an gun  
nozzle;

drilling a hole and said slab to be leveled; and

20 attaching said gun nozzle to said drilled hole.

13. A method of lifting and leveling a slab as in claim 12 further comprising the step of supplying a compressed air bleed valve between said compressed air source and sand outlet.

14. A method of lifting and leveling a slab as in claim 13

